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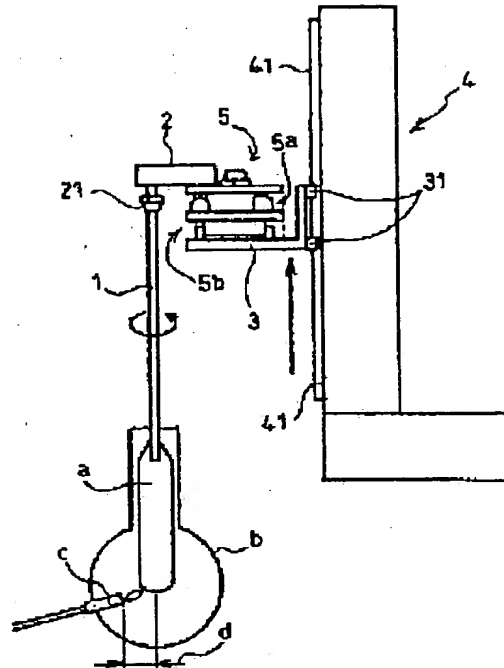
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TITLE : PULLING-UP DEVICE FOR SYNTHETIC
QUARTZ AND TH LIKE



ABSTRACT : PURPOSE: To provide a pulling-up device with a function capable of automatically correcting the inclination of a perpendicularly hung shaft.

CONSTITUTION: This pulling-up device is provided with an inclination correcting mechanism 5 between a moving table 3 and a rotational driving mechanism 2. This inclination correcting mechanism 5 has an upper plate and a lower plate and pivotally supports this upper plate freely tiltably relative to the lower plate. The other end of the upper plate is vertically drivably supported by a supporting mechanism from the rear surface side. An inclination detecting sensor is mounted at the upper plate. This inclination detecting sensor and the driving section of a bearing mechanism are respectively electrically connected to a control section. Further, the inclination correcting mechanism is installed by superposing the two mechanisms and is so constituted that the pivotal axes of the respective mechanisms shift from each other by 90° in plane view. The inclination generated at a moving table of the pulling up column is corrected by two units of the inclination correcting mechanisms 5a, 5b, by which the surface of the moving table is held horizontally.

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